

Sequence listing

IAP12 Rec'd PCT/PTO 11 MAY 2006

<110> Vollmers, Philip

<120> Human monoclonal antibody

<150> DE-10 353 175.0

<151> 2003-11-14

<160> 4

<210> 1

<211> 96

<212> DNA

<213> Homo sapiens

<220>

<223> Amino acid sequence of the variable region of the light chain (V_L) of antibody SAM-6

<400> 1

Ser	Tyr	Val	Leu	Thr	Gln	Pro	Pro	Ser	Val	Ser	Val	Ser	Pro	Gly
1				5				10					15	

Gln	Thr	Ala	Ser	Ile	Thr	Cys	Ser	Gly	Asp	Lys	Leu	Gly	Asp	Lys
				20				25					30	

Tyr	Ala	Cys	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Ser	Pro	Val	Leu
				35				40					45	

Val	Ile	Tyr	Gln	Asp	Ser	Lys	Arg	Pro	Ser	Gly	Ile	Pro	Glu	Arg
				50				55					60	

Phe	Ser	Gly	Ser	Asn	Ser	Gly	Asn	Thr	Ala	Thr	Leu	Thr	Ile	Ser
				65				70					75	

Gly	Thr	Gln	Ala	Met	Asp	Glu	Ala	Asp	Tyr	Tyr	Cys	Gln	Ala	Trp
				80				85					90	

Asp	Ser	Ser	Ile	Val	Val
				95	

REPLACEMENT (RULE 26)

<210> 2

<211> 288

<212> DNA

<213> Homo sapiens

<220>

<223> Nucleotide sequence of the variable region of the light chain (V_L) of antibody SAM-6

<400> 2

tcc tat gtg ctg act cag cca ccc tca gtg tcc gtg tcc cca gga	45
Ser Tyr Val Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly	
1 5 10 15	
CDR1	
cag aca gcc agc atc acc tgc tct gga gat aaa ttg ggg gat aaa	90
Gln Thr Ala Ser Ile Thr Cys Ser Gly Asp Lys Leu Gly Asp Lys	
20 25 30	
tat gct tgc tgg tat cag cag aag cca ggc cag tcc cct gtg ctg	135
Tyr Ala Cys Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu	
35 40 45	
CDR2	
gtc atc tat caa gat agc aag cgg ccc tca ggg atc cct gag cga	180
Val Ile Tyr Gln Asp Ser Lys Arg Pro Ser Gly Ile Pro Glu Arg	
50 55 60	
ttc tct ggc tcc aac tct ggg aac aca gcc act ctg acc atc agc	225
Phe Ser Gly Ser Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser	
65 70 75	
ggg acc cag gct atg gat gag gct gac tat tac tgt cag gcg tgg	270
Gly Thr Gln Ala Met Asp Glu Ala Asp Tyr Tyr Cys Gln Ala Trp	
80 85 90	
CDR3	
gac agc agc att gtg gta	288
Asp Ser Ser Ile Val Val	
95	

REPLACEMENT (RULE 26)

<210> 3

<211> 110

<212> DNA

<213> Homo sapiens

<220>

<223> Amino acid sequence of the variable region of the heavy chain (V_H) of antibody SAM-6

<400> 3

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly
 1 5 10 15

Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser
 20 25 30

Ser Tyr Ala Met His Trp Val Arg Glu Ala Pro Gly Lys Gly Leu
 35 40 45

Glu Trp Val Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr
 50 55 60

Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser
 65 70 75

Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
 80 85 90

Thr Ala Val Tyr Tyr Cys Ala Arg Asp Arg Leu Ala Val Ala Gly
 95 100 105

Lys Thr Phe Asp Tyr
 110

REPLACEMENT (RULE 26)

<210> 4

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<223> Nucleotide sequence of the variable region of the heavy chain (V_H) of antibody SAM-6

<400> 4

cag	gtg	cag	ctg	gtg	gag	tct	ggg	gga	ggc	gtg	gtc	cag	cct	ggg	45
Gln	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Val	Val	Gln	Pro	Gly	
1			5						10					15	

agg	tcc	ctg	aga	ctc	tcc	tgt	gca	gcc	tct	gga	ttc	acc	ttc	agt	90
Arg	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	
			20						25					30	

CDR1

agc	tat	gct	atg	cac	tgg	gtc	cgc	cag	gct	cca	ggc	aag	ggg	ctg	135
Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Glu	Ala	Pro	Gly	Lys	Gly	Leu	
			35						40					45	

CDR2

gag	tgg	gtg	gca	ggt	ata	tca	tat	gat	gga	agc	aat	aaa	tac	tac	180
Glu	Trp	Val	Ala	Val	Ile	Ser	Tyr	Asp	Gly	Ser	Asn	Lys	Tyr	Tyr	
			50						55					60	

gca	gac	tcc	gtg	aag	ggc	cga	ttc	acc	atc	tcc	aga	gac	aat	tcc	225
Ala	Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	
			65						70					75	

aag	aac	acg	ctg	tat	ctg	caa	atg	aac	agc	ctg	aga	gct	gag	gac	270
Lys	Asn	Thr	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	
			80						85					90	

CDR3

acg	gct	gtg	tat	tac	tgt	gcg	aga	gat	cgg	tta	gca	gtg	gct	ggt	315
Thr	Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Asp	Arg	Leu	Ala	Val	Ala	Gly	
			95						100					105	

aaa	act	ttt	gac	tac											
Lys	Thr	Phe	Asp	Tyr											
															110

REPLACEMENT (RULE 26)